

## Getting Ready

DATE: \_\_\_\_\_

### A. Evaluating Algebraic Expressions

EX: Evaluate when  $x=3$  and  $y=-4$

$$-2x + 3y + 7$$

“Substitute using brackets and evaluate”

### B. Simplifying Expressions

EX:  $2(x + y) - 3(x + 2y)$

“Use distributive property to expand and combine like terms”

### C. Graphing Lines

Method 1: Using a table of values

EX:  $y = 3x - 4$

Method 2: Using slope and y-intercept

EX:  $4x - 3y = 6$

“Must first write in the form  $y = mx + b$ ”

### **Method 3: Using the intercepts**

**EX:**     $2x - 4y = -8$

### **D. Percents**

**EX:**    Calculate the amount of silver in 500g of 12% silver alloy.

**EX:**    Calculate the amount of simple interest earned in 1 year on \$1500 invested at 3% / year.